

Appl. No. 10/078,042
Docket No. 8430L
Supp. Amdt. dated June 10, 2010
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-30. (Canceled)

31. (Currently amended) A method for improving the management of an individual's asthmatic condition, comprising the steps of:

- a) identifying a failure event relating to the asthmatic condition;
- b) developing a treatment plan including at least one level of treatment indicated by a pre-defined change in the asthmatic condition;
- c) selecting at least one quantitative first variable parameter related to the asthmatic condition, the failure event and the individual's health, for measurement and analysis;
- d) selecting at least one two qualitative or quantitative second parameter attributes related to the asthmatic condition and the individual's environment, for determination and analysis;
- e) developing a sampling strategy for measuring and/or determining the first variable parameter and the second parameter at least two qualitative attributes at selected time(s) and frequency(ies);
- f) using a data measurement mechanism to measure the first variable parameter at times and at a frequency according to the sampling strategy, to generate first data concerning the first variable parameter;

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- g) determining the at least two qualitative attributes second parameter at times and at a frequency according to the sampling strategy, to generate second data concerning the at least two qualitative attributes second parameter;
- h) assigning numerical values to the at least two qualitative attributes to adapt them to be treated as second and third variables;
- i) calculating a cumulative score from the at least two qualitative attributes, thereby converting the at least two qualitative attributes to a single fourth variable;
- ↳ j) using a data acquisition mechanism to store the first data and the second data on a storage medium;
- ↳ k) using an electronic data analysis mechanism a computer to analyze the first data and the second data, whereby the data analysis mechanism computer comprises software employing reliability engineering techniques; and
- ↳ l) using the data analysis mechanism computer to identify an environmental cause of the failure event;

wherein the data analysis mechanism computer provides actionable information for the improvement of the individual's health by an information presentation mechanism, the actionable information including information relating to the environmental cause of the failure event.

32. (Currently amended) The method of Claim 31 further comprising the step of establishing control limits for the first parameter variable and/or one or more of the second parameter variable, third variable and fourth variable; defining an out-of-control condition relative the control limits for determination by the data analysis mechanism; tracking measurements or determinations of the first parameter and/or the one or more of the second parameter variable, third variable and fourth variable

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against the control limits, and administering the at least one level of treatment when the out-of-control condition is presented.

33. (Currently amended) The method of Claim 32 further comprising the step of identifying best observed performance of the individual relative the first ~~parameter variable~~, and recalculating control limits based on the best observed performance.
34. (Previously presented) The method of Claim 31 further comprising the step of tracking time of failure events or time between failure events to provide information selected from the group consisting of: efficacy of the at least one level of treatment; effects of environmental conditions; and combinations thereof.
35. (Currently amended) The method of Claim 32 further comprising the step of establishing a target for the first ~~parameter variable~~, wherein the control limits are established relative the target.
36. (Previously presented) The method of Claim 35 further comprising the step of determining a capability ratio and using the capability ratio to determine efficacy of the treatment plan.